

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1345	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2"))	US-PGPUB; USPAT	ADJ	ON	2006/07/12 07:37
S2	1	"20040266308"	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:00
S3	12	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:00
S4	1	("5576060").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 14:30
S5	0	S4 and (nitrogen or ammonia or "NH.sub.3")	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 14:32
S6	9	("5902650").URPN.	USPAT	ADJ	ON	2006/07/11 14:32
S8	5	S6 and (nitrogen or ammonia or "NH.sub.3") and (field or electron) (emis\$7 or emit\$7)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 15:01
S9	1	("6537427").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 14:46
S10	8	("4125446"   "4792842"   "5147819"   "5229331"   "5358908"   "5372973"   "5923953"   "6154188").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 14:48
S11	2	S10 and (nitrogen or ammonia or "NH.sub.3") and (field or electron) (emis\$7 or emit\$7)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 14:51
S12	4	S10 and (nitrogen or ammonia or "NH.sub.3")	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 14:51
S13	1333	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) not (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:22

## EAST Search History

S14	17	("4411734" "4624737" "4642620" "5186670" "5210472" "5319279" "5371431" "5747384" "5808400" "5825126" "5840118" "5853492" "5869169" "5888906" "5917213" "5989999" "6086442").PN.	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:01
S15	10	S14 and (nitrogen or ammonia or "NH.sub.3")	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 15:22
S16	4	S14 and (n or "n.sup.") with dop\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 15:06
S17	4	S14 and (n or "n.sup.\$") with dop\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/07/11 15:07
S18	84	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same anneal\$3) not (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:35
S19	251	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon)	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:36
S20	22	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon) same (n or "n.sup.!") with dop\$3	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:37
S21	22	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon) same (n or "n.sup.") with dop\$3	US-PGPUB; USPAT	ADJ	ON	2006/07/11 15:38
S22	242	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same (cathode or emitter or tip))	US-PGPUB; USPAT	ADJ	ON	2006/07/12 07:39

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S23	11	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same (cathode or emitter or tip or microtip)) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same silane	US-PGPUB; USPAT	ADJ	ON	2006/07/12 07:44
S24	13	(field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same silane same (cathode or emitter or tip or microtip)	US-PGPUB; USPAT	ADJ	ON	2006/07/12 07:44
S25	140	(field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3)	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:02
S26	85	(field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) and (nitrogen or ammonia or "NH.sub.3")	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:05
S27	15	(field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) same (tip or micro\$1tip or emitter) and (nitrogen or ammonia or "NH.sub.3")	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:18
S29	3	(field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) same (tip or micro\$1tip or emitter) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:23
S31	3	(field or electron) (emis\$7 or emit\$7) and (native oxide) same (tip or micro\$1tip or emitter) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:37
S32	69	(field or electron) (emis\$7 or emit\$7) and (tip or micro\$1tip or emitter) same (doped near silicon) and @pd>"20040413"	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:26

## EAST Search History

S33	18	(field or electron) (emis\$7 or emit\$7) and (tip or micro\$1tip or emitter) same (pecvd or plasma cvd or plasma enhanced chemical vapor deposition or pcvd or pacvd) same (silane or "SiH.sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/07/12 08:38
S34	1	("6323587").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/12 10:00